

## APPARATUS AND METHOD FOR GENERATING POWER FROM MOVING WATER

### ABSTRACT

Apparatus for generating power from a water current in a body of water comprises a  
5 longitudinally extending flotation platform for maintaining the apparatus afloat in the body of  
water and a water turbine operatively carried by the platform for generating power in response  
to water current in the body of water. The platform is configured to enhance the flow of water  
current over the turbine blades and, as well, to enable a number of like platforms each with an  
associated turbine or turbines to be arrayed in a cooperative manner. The water turbine may  
10 comprise a turbine rotor with a plurality of relatively narrow, flexible elongated blades arranged  
in circumferentially spaced rows extending along the rotor. In each row, the blades are  
distanced from each other in succession by a space. The rows may be staggered with respect  
to each other such that the blades in a given one of the rows circumferentially align with the  
spaces between blades in the row immediately circumferentially forward of the given row and  
15 with the spaces between blades in the row immediately circumferentially rearward of the given  
row.